

REPLACED 3/11/01

Claims

1. Assembly for fixing a tube for medical purposes to a patient's mouth, the tube being fixed to the patient's head, comprising a tube clamping means which can be attached to the tube in a detachable manner, which tube clamping means is provided with first positioning means, further comprising flexible, detachable securing means that are to be arranged around the patient's head and are provided with second positioning means that can be connected to the first positioning means, to position the tube clamping means during use, the tube clamping means comprising a first tube clamping member, which is solid with the first positioning means, and a second tube clamping member, which is hingeable with respect to the first tube clamping member for movement between an open position, in which the tube clamping means can freely receive the tube, and a closed clamping position, in which the tube is kept clamped with respect to the tube clamping means and the first positioning means.
- 15 2. Assembly according to claim 1, the first and the second tube clamping members being hingeable about an axis which is substantially parallel to the tube to be clamped.
- 20 3. Assembly according to claim 1 or 2, the first tube clamping member being arranged in order to extend under the tube during use.
- 25 4. Assembly according to claim 1, 2 or 3, the two tube clamping members being formed by two half oval rings, which along one edge are connected to each other by means of a hinge, preferably a living hinge.

5. Assembly according to any one of the preceding claims, the two tube clamping members in their clamping position being securable to each other by means of catching means, preferably comprising a snap finger on the one clamping member and a cam on the other clamping member, the snap finger then being detachably snappable behind the cam.

10 6. Assembly according to any one of the preceding claims, both tube clamping members at their insides being provided with a number of tube fixation protrusions directed inwards.

7. Assembly according to any one of the preceding claims, one of the tube clamping means being provided with a recess for letting through a pilot tube on the tube.

15 8. Assembly according to claims 3 and 7, the first tube clamping member being provided with a continuous recess, which extends, at least at the outer end of the clamping member, over its entire wall cross-section.

20 9. Assembly according to any one of the preceding claims, the tube clamping member being entirely made from synthetic, preferably polypropene.

25 10. Assembly according to any one of the preceding claims, the first positioning means being provided on a plate which is substantially transverse to the tube clamping means.

11. Assembly according to claim 10, the plate being provided with a slot to let the tube through when arranging the plate, the plate preferably being substantially U-shaped.

30 12. Assembly according to any one of the preceding claims, the first positioning means comprising slots, for letting through attachment straps

belonging to the second positioning means.

13. Assembly according to claims 12, the slots being vertically aligned.

5 14. Assembly according to claims 10 and 12 or 13, four slots being arranged in the plate, mainly at the vertices of a rectangle.

15. Assembly according to any one of the claims 10-14, the plate being adapted to the anatomy of the patient's face.

10 16. Assembly according to any one of the claims 10-15, a bite member for between the patient's teeth being provided at the rear of the plate.

15 17. Assembly according to claim 16, the bite member being substantially U-shaped in cross-section to allow the tube through.

18. Assembly according to claim 17, the bite member and the plate being provided with concave surfaces and edges, respectively, at its sides.

20 19. Assembly according to claim 16, 17 or 18, in combination with claim 7, the plate and the bite member being provided with recesses aligned with the aforementioned recess for allowing through a pilot tube on the tube.

25 20. Assembly according to claims 19 and 8, the recess in the bite member being continuous over the entire length and its wall cross-section.

21. Assembly according to any one of the claims 9 to 20, the second positioning means comprising an occipital strap and a number of flexible, detachable attachment straps extending between the occipital strap and
30 the first positioning means.

22. Assembly according to claim 21, the occipital strap being provided

with slots for letting through the attachment straps.

23. Assembly according to claim 22, the attachment straps being adjustable as to length, and preferably can be secured on themselves.

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24. Assembly according to claims 23, in connection with claims 12, 13 or 14, the attachment straps being permanently connected to the plate when said plate is manufactured.

10 25. Assembly according to claim 23 or 24, the straps that are adjustable as to length being adjustable as to length by means of Velcro.

15 26. Assembly according to any one of the claims 21 to 25, each attachment strap adjustable as to length being connected to the plate at two locations and having a recess in between them.

27. Assembly according to any one of the claims 21-26, the occipital strap at both ends being provided with a recess to let through the ends of the attachment straps that are adjustable as to length.

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28. Assembly according to claim 27, the occipital strap being provided with means for stiffening the recesses, such as a little rod extending along the recess, said rod being preferably situated at the attachment strap side of the recess.

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29. Assembly according to claim 27 or 28, the recesses being situated at the level of the corners of the jaw.

30 30. Assembly according to any one of the claims 21 to 29, the occipital strap being accommodated in a hat or cap to be placed over the patient's head.

31. Assembly according to claim 30, the cap being provided with recesses for the patient's ears.

5 32. Assembly according to claim 30 or 31, the cap extending over the head and being provided with means for attachment of care or monitor lines at the front/upper side.

33. Tube clamping means suitable for the assembly according to any one of the claims 1-32.

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34. Cap suitable for the assembly according to any one of the claims 30-33.

(AF/NG 990)